

THE COMPUTER BULLETIN

VOLUME NINE

JUNE 1965—MAY 1966

INDEX

A

	PAGE
Abstracts, The storage and retrieval of (<i>D. J. Maitland</i>)	159
ACR-A (Automatic Card Reader) (see <i>Friden Ltd.</i>)	
AFIPS Conference Proceedings, Volumes 24 and 25 (Review)	120
AGSP (ATLAS General Survey Program) (see <i>ICT Ltd.</i>)	
Algorithm supplement	18, 56, 104, 165
AMPEX CTS-2000 card-tape converter	79
Analogue working party	80
Applications—	
Insurance	8
Information retrieval	159
Machine tool control	13
ARCH 9000 (see <i>Elliott-Automation Ltd.</i>)	
ARGUS 400 (see <i>Ferranti Ltd.</i>)	
Arrowsmith, J. R. (see <i>Puckle, O.S.</i>)	
ATLAS Computer Laboratory	92
Automation in the National Pattern (<i>F. J. M. Laver</i>)	90
AUTOPERT	106

B

Bennett, E., Degan, J. and Spiegel, J. Military Information Systems (Review)	167
Berners-Lee, C. M. Models for Decision (Review)	166
Bernstein, J. The Analytical Engine (Review)	171
Bolliet, L., Gastinel, N. and Laurent, P. J. ALGOL: Manuel pratique (Review)	169
Book reviews	28, 71, 115, 166
Booth, A. D. Digital Computers in Action (Review)	71
Boutell, W. S. Auditing with a Computer (Review)	168
Bowe 220 decollater	17
Bowran, A. P. A Boolean Algebra (Review)	170
Branch News	26, 67, 114, 162
Bristol Branch	162
British Standards BS 3880	36
Broderick, W. R. The Royal Liberty School Computer Project	97
Brown, Boveri & Cie. A. G.	17
Bureaux, Computer service	53
Burroughs Corporation—	
B 283	53
B 370	20
B 383	103

Burroughs Corporation—(continued)

Bureau	53
D 84	53
Business Game (Reptactics)	79
Butler, R. Investment in computers within Insurance Companies	3

C

Calingaert, P. Principles of Computation (Review)	171
Chaos, Humans in (<i>F. A. Peters</i>)	37
Computer Comment	1
Computer Education and Applied Research Centre (<i>J. C. Shaw</i>)	100
Computer Resale Brokers Ltd.	79
Computer Science, Undergraduate Courses (<i>P. G. Raymont</i>)	99
Computers in Industry (<i>G. H. Doughty</i>)	41
Conferences—	
Notices	1
Copyright, Computers and (<i>R. D. Gee</i>)	45
Correspondence	23, 44, 111, 172
Courses	Supplement to No. 3, 2, 9, 142
Coventry Branch	114, 162
Crawford, D. The State of the Art in Scotland	47
Cutler, D. I. Introduction to Computer Programming (Review)	72

D

Dale Harris, L. FORTRAN Programming (Review)	171
Dale Harris, L. Numerical Methods using FORTRAN (Review)	72
Data Disc (see <i>Elliott-Automation Ltd.</i>)	
Data Processing Management Association, Data Processing Volume VIII (Review)	117
Data Processing, Legal Requirements (<i>R. R. Waller</i>)	133
De La Rue Bull Machines Ltd.—	
Compatibles/100	20
Compatibles/400	20
GAMMA 10	20
M 40	20
Degan, J. (see <i>Bennett, E.</i>)	

	PAGE
<i>Desmonde, W. H.</i> Computers and their uses (Review)	71
<i>Desmonde, W. H.</i> Real-time Data Processing Systems (Review)	117
<i>Digital Equipment Corporation (UK) Ltd.</i> — PDP-8 (Programmed Data Processor)	17, 103
<i>Dodd, K. N.</i> Mathematics in Aeronautical Research (Review)	118
<i>Doughty, G. H.</i> Computers in Industry	41

E

Edinburgh Branch	67
EDP in the Company Structure (<i>E. T. Taylor</i>)	39
EDSAC	102
Education and Applied Research Centre (<i>J. C. Shaw</i>)	100
Education and Training (Report)	86
Education, Promoting Computer (<i>Keith Nicol</i>)	93
<i>Electrologica Ltd.</i> —	
EL WICOMATIC	53
<i>Elliott-Automation Ltd.</i> (see also <i>N.C.R.</i>)—	53
AIR-3	173
ARCH 9000	53, 103
Data Disc	54
503	103
903	103, 173
Training aid	54
<i>English Electric-LEO-Marconi Computers Ltd.</i> —	17
KDF 8	17
LEO III	20, 36, 54, 174
LEO 326	54
MYRIAD	104
SPEC	54
System 4	103, 174
Equipment	17, 79, 125
	Supplement to No. 3

F

<i>Ferranti Ltd.</i> —	
ARGUS 300	106
ARGUS 400	54
HERMES	106
Films and film strips—	
List	49
Reviews	70, 115, 172
<i>Friden Ltd.</i> —	
ACR-A (Automatic Card Reader)	17

G

GAMMA 10 (see <i>De La Rue Bull Machines Ltd.</i>)	
<i>Gastinel, N.</i> (see <i>Bolliet, L.</i>)	
<i>Gater, A.</i> et al. Thrusters and Sleepers (Review)	74
<i>Gee, R. D.</i> Computers and Copyright	45
<i>Gilbert, C. P.</i> The Design and Use of Electronic Analogue Computers (Review)	76
Glasgow Branch	26, 67
<i>Goldsmith, P.</i> Optimising Carpet Manufacture	143
<i>Gregory, R. H.</i> and <i>Van Horn, R. L.</i> Business Data Processing and Programming (Review)	28

H

	PAGE
<i>Hales, A.</i> Suggested Changes in the Marketing of Computers	136
<i>Hart, B. L. J.</i> Dynamic Systems Design (Review)	30
<i>Heilwell, M. F.</i> and <i>Hoernes, G. E.</i> Introduction to Boolean Algebra and Logic Design (Review)	73
<i>Hollingdale, S. H.</i> and <i>Toothill, G. C.</i> Electronic Computers (Review)	116
<i>Honeywell Controls Ltd.</i> —	
H-20	33
H-200	33, 62
H-200 peripherals	55
H-800	62
Humans in Chaos (<i>F. A. Peters</i>)	37

I

<i>IBM (International Business Machines) Ltd.</i> —	35, 107
360	19, 107, 176
1130	33, 176
1401	19, 33, 62
1440	62
1460	62
1620	62
1710	19, 62
1800	62
7090	62
7094	62
2260	62
PL/1	108
<i>ICT (International Computers and Tabulators) Ltd.</i> —	
AGSP	64
1500	34
1900	34, 108, 123, 174
1902	64
1904	34
7000 Data link	175
Mechanism Assessment	174
ORION	124
Research and Development Laboratories	63
IDAST (Interpolated Data and Speech Transmission)	79
ITRAN computer language	126
<i>Inman, K. L.</i> Fundamentals of Electronic Data Processing (Review)	116
<i>Insull, D.</i> (see <i>Gater, A.</i>)	
<i>International Systems Control Ltd.</i>	6, 124
Investment in Computers within Insurance Companies (<i>R. Butler</i>)	3

K

KDF (see <i>English Electric</i>)	
<i>Khabaza, I. M.</i> Numerical Analysis (Review)	119
<i>Korn, G. A.</i> and <i>Korn T. M.</i> Electronic Analog and Hybrid Computers (Review)	75
<i>Kosow, I. L.</i> Transistors: A Self-Instructional Programmed Manual (Review)	73

L

<i>Larsson, R. D.</i> Equalities and Approximations with FORTRAN Programming (Review)	72
---	----

	PAGE
<i>Laurent, P. J.</i> (see <i>Bolliet, L.</i>)	
Law Group, Interim Report on Computers and the Law of Evidence	57
<i>Laver, F. J. M.</i> The Place of Computers and Automation in the National Pattern	90
Leeds Branch	26, 67, 114, 162
Legal Requirements in Data Processing (<i>R. R. Waller</i>)	133
Leicester Branch	26, 114, 163
LEO (see <i>English Electric</i>)	
<i>Levine, Leon</i> Methods for Solving Engineering Problems using Analog Computers (Review)	30
Library—	
Additions	25, 65, 113
Catalogue, January 1966	147
<i>Lind, H.</i> (see <i>Gater, A.</i>)	

M

<i>Maddison, R. N.</i> and <i>Sheldrick, S. B.</i> A Management Exercise	138
<i>Maitland, D. J.</i> The Storage and Retrieval of Pharmaceutical Abstracts	159
<i>Maley, G. A.</i> and <i>Skiko, E. J.</i> Modern Digital Computers (Review)	122
Management Exercise (<i>R. N. Maddison</i> and <i>S. B. Sheldrick</i>)	138
Manchester Branch	163
Manufacturers' News	20, 53, 77, 103, 173
Marketing of Computers (<i>A. Hales</i>)	136
<i>McCormick, J. M.</i> and <i>Salvadori, M. G.</i> Numerical Methods in FORTRAN (Review)	119
MDS 1101 Keyed Data Recorder	126
Medical Data Processing Study Group	126
METO computing language	127
Middlesbrough Branch	67
Miscellaneous Equipment	17, 79, 125
MSP/50 printer	125
<i>Mustafa, H. M.</i> The Mechanization and Automation of the United States Post Office (Review)	32
MYRIAD (see <i>English Electric</i>)	

N

<i>N.C.R. (National Cash Register) Company Ltd.</i> —	
395 Accounting System	173
ARCH 1000	35
315 Computer	34, 78, 124, 173
803 Computer	35, 77
4100 Computer	34, 103, 124, 173
Computing centre	173
CRAM	124
Magnetic Tape Units	34
500 Series	77, 173
407 Sorter	77
<i>Neale, D. M.</i> Cold Cathode Tube Circuit Design (Review)	29
News from manufacturers	20, 53, 77, 103, 173
NICOL programming language	123
<i>Nicol, Keith</i> , Promoting Computer Education	93
<i>Norkin, S. B.</i> The Elements of Computational Mathematics (Review)	168
North Staffordshire Branch	164
Northampton College	1

Number Language	PAGE
Numeric Tool Control (<i>F. A. Peters</i>)	109
	13

O

Optimising Carpet Manufacture (<i>P. Goldsmith</i>)	143
ORION (see <i>ICT Ltd.</i>)	
Ortho-normal functions	132

P

Panel wiring (see <i>EL WICOMATIC</i>)	
<i>Paul, R. J. A.</i> Fundamental Analog Techniques (Review)	171
PDP-8 (see <i>Digital Equipment Corporation</i>)	
Perfumery, Computer Service	21
<i>Peters, F. A.</i> A Simple Handle for a Simple Tool	13
PL/1 (see <i>IBM</i>)	
<i>Plumb, S. C.</i> Introduction to FORTRAN: A program for self-instruction (Review)	29
<i>Prager, W.</i> Introduction to Basic FORTRAN Programming and Numerical Methods (Review)	72
Presidential Address, <i>Sir Edward Playfair</i>	81
<i>Puckle, O. S.</i> and <i>Arrowsmith J. R.</i> An Introduction to Numerical Control of Machine Tools (Review)	118

R

Random Access (<i>K. P. Rylett</i>)	130
<i>Rank Organisation</i> —	
Xeronic Printer	17, 79
Xeronic Service Bureau	125
<i>Raymont, P. G.</i> Undergraduate Courses in Computer Science	99
Regional Branch News	26, 67, 114, 162
<i>Remington Rand Ltd.</i> —	
UNIVAC 418	35
UNIVAC 490	78
UNIVAC 492	175
UNIVAC 1004 Data line terminal	35, 78
UNIVAC 1050	35
UNIVAC 1107	35, 78
UNIVAC 1108	125, 175
Retrieval of Pharmaceutical Abstracts (<i>D. J. Maitland</i>)	159
Reviews, Book	28, 71, 115, 166
Reviews, Film	70, 115, 172
Rocappi Typesetting	125
<i>Rollett, J. S.</i> Computing Methods in Crystallography (Review)	169
Royal Liberty School Computer Project (<i>W. R. Broderick</i>)	97
Royal Radar Establishment, Programming in ALGOL (Review)	115
<i>Rylett, K. P.</i> Reflections on Random Access	130

S

<i>Salvadori, M. G.</i> (see <i>McCormick, J. M.</i>)	
<i>Schuh, J. F.</i> Principles of Automation (Review)	73
Scotland, The State of the Art (<i>D. Crawford</i>)	47

	PAGE
<i>Seglow, P.</i> (see <i>Gater, A.</i>)	
<i>Sharp, J. R.</i> Some Fundamentals of Information Retrieval (Review)	166
<i>Shaw, J. C.</i> Towards a Computer Education and Applied Research Centre	100
<i>Sheldrick, S. B.</i> (see <i>Maddison, R. N.</i>)	
<i>Skiko, E. J.</i> (see <i>Maley, G. A.</i>)	
South Wales Branch	68, 115, 164
SPEC (Systems Procedures Expressed Clearly)	54
<i>Spiegel, J.</i> (see <i>Bennett, E.</i>)	
Study Groups	145
Symposium	1

T

TAM	23, 44
Tape comparator Model AT 9102	125
<i>Taylor, E. T.</i> The Place of EDP in the Company Structure	39
<i>Thompson, H.</i> Joint Man/Machine Decisions (Review)	168
<i>Thomson, F. P.</i> Giro Credit Transfer System (Review)	123
<i>Toothill, G. C.</i> (see <i>Hollingdale, S. H.</i>)	
Training Aids	10
Training Equipment (see Supplement to No. 3)	
<i>Trollhann, L.</i> and <i>Wittman, A.</i> Dictionary of Data Processing (Review)	74
Typesetting	12, 19, 31, 43

U

Undergraduate Courses in Computer Science (<i>P. G. Raymont</i>)	99
---	----

UNIVAC (see <i>Remington Rand</i>)	
Urwick Diebald Award	101

V

<i>Van Horn, R. L.</i> (see <i>Gregory, R. H.</i>)	
---	--

W

<i>Waller, R. R.</i> The Legal Requirements in Data Processing	133
<i>Ward, R. A.</i> Operational Research in Local Government (Review)	116
<i>Weiss, E. A.</i> Programming the IBM 1620 (Review)	170
<i>Whitlock, J. W.</i> Automatic Data Processing in Education (Review)	122
<i>Williams, T. G.</i> Instruments, Electronics, Automation (Review)	123
<i>Wittman, A.</i> (see <i>Trollhann, L.</i>)	

X

Xeronic (see <i>Rank Organisation</i>)	
---	--

Z

<i>Zeidenberg, V. K.</i> English-Russian Dictionary on Computing Technique (Review)	74
Zuse K.G.	17